

# Lighting

**PHILIPS** 

## RoadCharm

### BRP471 LED 145/NW 110W 220-240V DME

RoadCharm, 14500 lm, 110 W, 740 neutral white, Safety class I, Side-entry for diameter 48 to 60 mm

Developed with the aim to become your long term partner ,the system ready architecture of RoadCharm enables you to enjoy the benefits of connected lighting systems today and also gets the city ready for the innovations to come. It is designed to achieve better light uniformity and a maximum spacing between poles for both pedestrian and vehicle road applications. With its die-cast aluminum housing and Philips LED platform, it is easy to maintain, has a long lifetime, and a consistency you can count on. It also offers 2 housing sizes and a range of beam optics to fully cater to different road configurations and conditions. RoadCharm offers 50% energy savings compared to conventional lamp systems, making it the perfect sustainable lighting solution for any emerging metropolis.

#### **Product data**

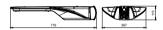
| General Information                |   |  |
|------------------------------------|---|--|
| Light source replaceable           | No  |  |
| Driver included                    | Yes   |  |
| Light source engine type           | LED   |  |
| CE mark                            | CE mark                                     |  |
| Flammability mark                  | For mounting on normally flammable surfaces |  |
| ENEC mark                          | -   |  |
|                                    |   |  |
| Light Technical                    |   |  |
| Luminous Flux                      | 14,500 lm                                   |  |
| Standard tilt angle posttop        | -   |  |
| Correlated Color Temperature (Nom) | 4000 K                                      |  |
| Luminous Efficacy (rated) (Nom)    | 130 lm/W                                    |  |

| Color rendering index (CRI) | >70                            |  |
|-----------------------------|--------------------------------|--|
| Light source color          | 740 neutral white              |  |
| Optical cover type          | Polycarbonate micro lens optic |  |
|                             |                                |  |
| Operating and Electrical    |                                |  |
| Input Voltage               | 220 to 240 V                   |  |
| Line Frequency              | 50 or 60 Hz                    |  |
| Power Consumption           | 110 W                          |  |
| Power Factor (Fraction)     | 0.9                            |  |
| Connection                  | Mains outlet socket            |  |
| Cable                       | -                              |  |
|                             |                                |  |

#### RoadCharm

|                                     | Mech. impact protection code   |   |
|-------------------------------------|--|---|
|                                     | Mech. Impact protection code   | IK08 [5 J vandal-protected]   |
| -40 to +50 °C                       | Surge Protection (Common/Differential)   | Luminaire surge protection level until 15 kV  |
|                                     |  | differential mode and 15 kV common mode   |
|                                     | Protection class IEC   | Safety class I  |
| No                                  |  |   |
| -                                   | Initial Performance (IEC Compliant)  |   |
| No                                  | Luminous flux tolerance  | +/-10%  |
|                                     | Initial chromaticity   | (0.38, 0.38) SDCM < 5   |
|                                     | Power consumption tolerance  | +/-10%  |
| Aluminum die cast                   |  |   |
| Polycarbonate                       | Product Data   |   |
| Polycarbonate                       | Order product name   | BRP471 LED 145/NW 110W 220-240V DME   |
| Gray                                | Full product name  | BRP471 LED 145/NW 110W 220-240V DME   |
| Side-entry for diameter 48 to 60 mm | Full product code  | 872016972473000   |
| Ball, globular                      | Order code   | 911401658705  |
| Clear                               | Material Nr. (12NC)  | 911401658705  |
| 719 mm                              | Numerator - Quantity Per Pack  | 1   |
| 367 mm                              | EAN/UPC - Product/Case   | 8720169724730   |
| 111 mm                              | Numerator - Packs per outer box  | 1   |
| 0.23 m²                             | EAN/UPC - Case   | 8720169724730   |
| 111 x 367 x 719 mm                  |  |   |
|                                     | No   -   No   Aluminum die cast   Polycarbonate   Polycarbonate   Gray   Side-entry for diameter 48 to 60 mm   Ball, globular   Clear   719 mm   367 mm   111 mm   0.23 m² | No Protection class IEC   No Initial Performance (IEC Compliant   No Luminous flux tolerance   Initial chromaticity Power consumption tolerance   Aluminum die cast Product Data   Polycarbonate Order product name   Gray Full product code   Ball, globular Order code   Clear Material Nr. (12NC)   719 mm Numerator - Quantity Per Pack   367 mm EAN/UPC - Product/Case   111 mm Numerator - Packs per outer box   0.23 m² EAN/UPC - Case |

**Dimensional drawing** 





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